

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



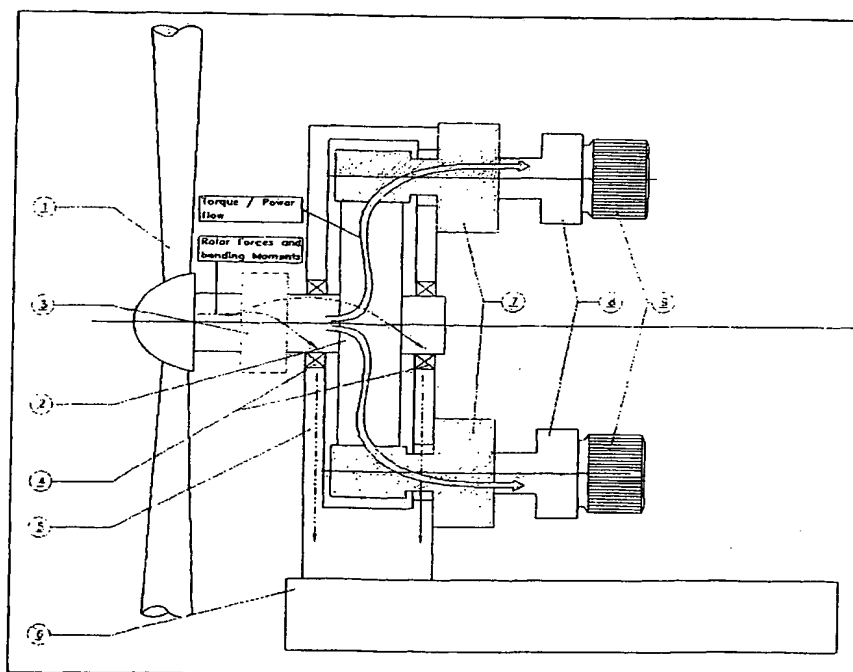
(43) International Publication Date  
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number  
**WO 2004/015267 A1**

- (51) International Patent Classification<sup>7</sup>: **F03D 11/02**
- (21) International Application Number:  
PCT/IB2003/003596
- (22) International Filing Date: 8 August 2003 (08.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0218401.8 8 August 2002 (08.08.2002) GB
- (71) Applicant (for all designated States except US): **HANSEN TRANSMISSIONS INTERNATIONAL NV** [BE/BE]; Leonardo da Vincilaan 1, B-2650 Edegem (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FLAMANG, Peter** [BE/BE]; Hansen Transmissions International NV, Leonardo da Vincilaan 1, B-2650 Edegem (BE). **SMOOK, Warren** [BE/BE]; Hansen Transmissions International NV, Leonardo da Vincilaan 1, B-2650 Edegem (BE). **BOGAERT, Roger** [BE/BE]; Hansen Transmissions International NV, Leonardo da Vincilaan 1, B-2650 Edegem (BE).
- (74) Agent: **BADGER, John, Raymond**; Invensys Intellectual Property, P.O. Box 8433, Redditch B98 ODW (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODULAR WIND TURBINE TRANSMISSION



(57) Abstract: A wind turbine gear unit comprises a low speed gear module and a plurality of high speed gear modules wherein the low speed gear module is operable simultaneously to transmit torque to each of said high speed gear modules.

WO 2004/015267 A1